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Glass surface treating agent - comprising polyfluoroalkyl-contg. silicone block oligomer, gives water and oil repellency, pollution resistance and low reflectivity

Patent Assignee: ASAHI GLASS CO LTD (ASAG )

Number of Countries: 001 Number of Patents: 001

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Priority Applications (No Type Date): JP 8253720 A 19820402

Patent Details:

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JP 58172244 A 6

Abstract (Basic): JP 58172244 A

Glass surface treating agent capable of affording water and oil repellency pollution resistance and low reflectivity to the glass surface over long periods, comprises polyfluoroalkyl radical-contg. silicone block oligomer of formula (I) (R is H or methyl); Rf is polyfluoroalkyl radical having 1-20C and may contain more than one ether bond; Q1 and Q2 are each divalent org. radicals; Y is halogen or alkoxy; Z is lower alkyl; a is 1-30, b is 0 or 1-2; and n is greater than 1).

The agent is usually used as a solvent soln. (10-30 wt%), and treated at 60-180 deg.C for 1-60 mins. under relative humidity of 100% to achieve good adherence to the glass surface.

Title Terms: GLASS; SURFACE; TREAT; AGENT; COMPRISE; POLY; FLUORO; ALKYL; CONTAIN; SILICONE; BLOCK; OLIGOMER; WATER; OIL; REPEL; POLLUTION; RESISTANCE; LOW; REFLECT

Derwent Class: A26; A82; E11; L01

International Patent Class (Additional): C03C-017/30; C07F-007/08; C09K-003/18

File Segment: CPI

Manual Codes (CPI/A-N): A04-A; A04-E10; A12-B05; E05-E02; L01-G04

Plasdoc Codes (KS): 0202 0203 0207 0210 0231 0968 0972 0996 1000 1306 2413 2427 3317 2506 2569 3249 3251 2592 3252 3267

Polymer Fragment Codes (PF):

\*001\* 013 039 04- 05- 062 064 080 090 094 097 229 38- 398 428 431 477 51& 516 521 53& 532 533 534 535 54& 546 57& 597 600 688

Chemical Fragment Codes (M3):

\*01\* B414 B711 B712 B713 B720 B741 B742 B743 B751 B752 B831 C000 C017 C316 H5 H581 H582 H583 H584 H589 H598 H6 H601 H608 H609 H681 H682 H683 H684 H685 H9 J0 J012 J013 J014 J2 J272 J273 K353 K399 M210 M211 M212 M213 M214 M215 M216 M220 M221 M222 M223 M224 M225 M226 M231 M232 M233 M250 M272 M273 M280 M281 M282 M283 M311 M312 M313 M314 M315 M316 M321 M322 M323 M331 M332 M333 M334 M342 M343 M344 M349 M361 M362 M381 M383 M391 M392 M393 M411 M510 M520 M530 M540 M620 M781 M903 Q452 Q620 R023